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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/762,834

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Georg C. Becker

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09/18/2008

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EXAMINER

PERUNGAVOOR, VENKATANARAY

ART UNIT

PAPER NUMBER

2132

MAIL DATE

DELIVERY MODE

09/18/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/762,834	Applicant(s) BECKER ET AL.	
	Examiner Venkat Perungavoor	Art Unit 2132	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 June 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5,7,8,12-18,20-23,25,27-29,31,34-36,39,42 and 43 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,5,7,8,12-18,20-23,25,27-29,31,34-36,39,42 and 43 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

Applicant's arguments filed 6/18/2008 have been fully considered but they are not persuasive.

The Applicant argues that the Dessiatnikov reference fails to disclose the requesting of connection information to a database upon initialization of web application server.

Dessiatnikov discloses the requesting of connection string that is vital for connection between the web application and data source see § Connection String Properties. And further Dessiatnikov discloses the connection string being port number, a type of technology used for communication which is established at the initialization of application server see § Connection String Properties.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 102

Claims 1, 5, 7-8, 12-18, 20, 23, 25, 27-29, 31, 34-36, 39 and 42-43 are rejected under 35 U.S.C. 102(a) as being anticipated by NPL¹ to Dessiatnikov.

Regarding Claim 1, 36, 39, Dessiatnikov discloses the automatically requesting database connection information web server to a database upon initialization of the web application server see § Introduction Par. 1 & § Connection String Properties; accessing a key phrase from a file system of the web application server see § Encrypting data Par.

¹ Dessiatnikov, Dmitry. "Securing SQL Connection String" SANS Institute 2004 8 Jan 2004.

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3; combining the system identifier and the key phrase to encrypt data see § Encrypting data Par 4; obtaining a name/value string from secure storage file in a global directory via find operation see § Storage of connection strings; parsing the name/value string into a name string and a value string see § Connection String Properties; decrypting the value string with effective encryption key to obtain the database connection information see § Encrypting data Par 4.

Regarding Claim 27, Dessiatnikov discloses the accessing key phrase from a central directory of a distributed system see § Configuration files Par. 5 (“ The ASP.NET...”).

Regarding Claim 5, 42, Dessiatnikov discloses the prompting for input to the application server see § SQL Authentication vs. Windows Authentication Par. 2 & Par. 3.

Regarding Claim 7, 25, 34, 43, Dessiatnikov discloses the password and address of database see § Connection String Properties – Table & § SQL Authentication vs. Windows Authentication Par. 2.

Regarding Claim 8, 35, Dessiatnikov discloses the Uniform Resource Locator see § COM+ catalog.

Regarding Claim 24, Dessiatnikov discloses the user and machine specific key to be used see § Encrypting data Par. 4.

Regarding Claim 12, 29, Dessiatnikov discloses the triple DES being used for encrypting of connection information see § Encrypting data Par. 3.

Regarding Claim 13, Dessiatnikov discloses the java string see § Introduction Par. 2.

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Regarding Claim 14-15, Dessiatnikov discloses the automatically requesting a connection to a database and initialization of server see § Introduction Par. 1 & § SQL Authentication vs. Windows Authentication Par. 1.

Regarding Claim 16-17, 23, Dessiatnikov discloses the server and J2EE standard see § Additional measures Par 5 & § Encrypting data Par. 5.

Regarding Claim 18, Dessiatnikov discloses the web application server to access key phrase from a file system of the application server to connect with a database ,wherein the web server includes a system identifier to identify the application server and the key phrase is to be combined with the system identifier see § Introduction Par. 1 & § SQL Authentication vs. Windows Authentication Par. 1 & § Encrypting data Par 4; central repository to store name/value string and to provide the value string to server upon receiving key phrase see § Storage of connection strings; a parser to parse the name /value string see § Connection String Properties ; database to provide requested data to server see § Configuration files Par 3.

Regarding Claim 20, Dessiatnikov discloses the SQL database see § Abstract.

Regarding Claim 28, Dessiatnikov discloses the encrypting of data see § Encrypting data.

Regarding Claim 31, Dessiatnikov discloses the network interface to connect to node see § SQL Authentication vs. Windows Authentication; the automatically requesting connection information server to another node upon initialization of the server see § Introduction Par. 1 & § Connection String Properties; accessing a key phrase to decrypt the requested connection information to request connection information see §

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Encrypting data Par. 3; obtaining the requested connection information from secure storage file see § Storage of connection strings.

Claim Rejections - 35 USC § 103

Claim 30 is rejected under 35 U.S.C. 103(a) as being unpatentable over NPL to Dessiatnikov in view of US Patent 2003/0105977 to Brabson et al.(hereinafter Brabson). Regarding Claim 30, Dessiatnikov does not disclose the directory transitioning from unencrypted to storing encrypted data. However, Brabson disclose the directory transitioning from unencrypted to storing encrypted data see Fig. 10 item 1025 & 1030. It would be obvious to one having ordinary skill in the art at the time of the invention to include the directory transitioning from unencrypted to storing encrypted data in the invention of Dessiatnikov in order to use readily available resource as taught in Brabson see Fig. 10 item 1030 & Par. 0009.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory

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action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkat Perungavoor whose telephone number is (571)272-7213. The examiner can normally be reached on 8:30-5:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system.

/V. P./

Examiner, Art Unit 2132
September 12, 2008

/Gilberto Barron Jr/

Supervisory Patent Examiner, Art Unit 2132